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# SELECTING TREES AND SHRUBS NATIVE TO VIRGINIA

for

Urban Conservation and a Better Environment



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- Aesthetics
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- Nature Study Areas
- Noise Abatement
- Screening
- Shade
- Soil Stabilization
- Wildlife



# REFERENCES

For additional references on growing trees and shrubs successfully, the following publications are available:

## 1. Care and Maintenance:

- "Fertilizing Shade Trees," Virginia Division of Forestry.
- "Pruning Ornamental Shrubs and Vines," U.S. Dept. of Agriculture, Home and Garden Bulletin 165.
- "Pruning Shade Trees and Repairing Their Injuries," U.S. Dept. of Agriculture, Home and Garden Bulletin 83.
- "Pruning Shrubs," (mimeographed sheets) Extension Division, V.P.I.
- "Selecting Shrubs for Shady Areas," U.S. Dept. of Agriculture, Home and Garden Bulletin 142.
- "Trees for Shade and Beauty, Their Selection and Care," U.S. Dept. of Agriculture, Home and Garden Bulletin 117.

## 2. Disease and Injury:

- "Common Diseases of Important Shade Trees," U.S. Dept. of Agriculture, Farmers Bulletin 1987.
- "The Dutch Elm Disease and Its Control," U.S. Dept. of Agriculture, Agricultural Information Bulletin 193.
- "Tree Diseases of Eastern Forests and Farm Woodlands," U.S. Dept. of Agriculture, Forest Service, Agricultural Information Bulletin 254.
- "Simple Tree Surgery," Extension Division, V.P.I., Leaflet 312.

## 3. Tree Protection During Construction:

- "Protecting Trees Against Damage from Construction Work," U.S. Dept. of Agriculture, Agricultural Information Bulletin 285.
- "Protecting Shade Trees During Home Construction," U.S. Dept. of Agriculture, Home and Garden Bulletin 104.

## 4. Landscaping:

- "Attractive Driveway Entrances," Extension Division, V.P.I., Circular 824.
- "Design of the Home Grounds," Extension Division, V.P.I., Bulletin 217.
- "Landscaping Slopes," Extension Division, V.P.I., Circular 622.

## 5. Miscellaneous:

- "Color It Green With Trees -- A Calendar of Activities for Home Arborists," U.S. Dept. of Agriculture, Agricultural Research Service, PA-791.
- "Why Leaves Change Color," Extension Division, V.P.I., Publication 185.

# TABLE EXPLANATORY NOTES

1. Plant Adaptation is the use for which the plant is best suited under specific site conditions.
2. Soil Moisture Requirements describe the moisture condition to which the plant is best able to develop naturally.
3. Light Requirements describe the amount of sunlight needed for a healthy plant growth.
4. Deciduous or Evergreen. Deciduous plants shed their leaves during winter whereas the evergreens do not.
5. Mature Height. This is the expected height growth in feet which the plant will attain under normal conditions at maturity.
6. Rate of Growth. These ratings are relative as to time for the plant to reach mature height. It is quite variable with length of growing seasons, sites, soil moisture, and competition from other plants.
7. Life Span. The normal length of time expressed in years the plant will live and provide satisfactory desired results.
8. Floral Characteristics. This describes the noticeable floral characteristics when present on the plant.
9. Fruit Characteristics. This describes the noticeable fruit produced on the plant.
10. Fall Foliage Color. This describes the bright leaf colors of the plants during the normal fall seasons.
11. Shade Provided. This is a relative rating of the shade provided by the foliage of the plant. This is important since it influences the selection of lawn grasses and shrubs for underplanting.
12. Susceptibility to Disease. No plants are entirely immune to diseases.
13. Wildlife Benefited. This names the wildlife that will feed on the fruits of a tree or shrub.





# REQUIREMENTS AND CHARACTERISTICS OF SHRUBS NATIVE TO VIRGINIA

COMMON NAME OF SHRUB	SCIENTIFIC NAME	(1) PLANT ADAPTATION	(2) SOIL MOISTURE REQUIREMENTS	(3) LIGHT REQUIREMENT	(4) DECIDUOUS OR EVERGREEN	(5) MATURE HEIGHT IN FEET	(6) RATE OF GROWTH	(7) LIFE SPAN IN YEARS	(8) FLORAL CHARACTERISTICS	(9) TYPE OF FRUIT	(10) FALL FOLIAGE COLOR	(11) SHADE PROVIDED	(12) WILDLIFE BENEFITED	
1 Alder, Smooth	<i>Alnus serrulata</i>	Landscape - Screen	Moist to Wet	Part Shade to Full Sun	Deciduous	15	Fast	30-	Inconspicuous	Nutlet	Brown	Dense	--	1
2 Bayberry	<i>Myrica pennsylvanica</i>	Landscape - Screen	Dry to Moist	Part Shade to Full Sun	Evergreen	6	Medium	30-	Inconspicuous	Nutlet	Green	Dense	--	2
3 Beautyberry, American	<i>Callicarpa americana</i>	Landscape	Moist	Full Sun	Deciduous	6	Fast	30-	Inconspicuous	Purple Berry	Bright Yellow	Dense	Birds	3
4 Bush, Burning	<i>Euonymus atropurpureus</i>	Landscape	Moist	Part Shade to Full Sun	Evergreen	12	Fast	30-	Small Green	Purple Pod	Green	Moderate	--	4
5 Bush, Strawberry	<i>Euonymus americanus</i>	Landscape	Moist	Part Shade to Full Sun	Evergreen	6	Fast	30-	Inconspicuous	Purple Pod	Green	Moderate	--	5
6 Cherry, Choke	<i>Prunus virginiana</i>	Landscape	Dry to Moist	Part Shade to Full Sun	Deciduous	20	Fast	30-	White Cluster	Red Berry Cluster	Brown	Moderate	Birds	6
7 Chinquapin	<i>Castanea pumila</i>	Landscape	Dry to Moist	Part Shade to Full Sun	Deciduous	8	Medium	30-	Inconspicuous	Nut	Brown	Moderate	Squirrels	7
8 Dogwood, Alternate Leaved	<i>Cornus alternifolia</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	15	Slow	30-	Inconspicuous	Black Berry	Pale Yellow	Moderate	Birds	8
9 Dogwood, Grey-Stemmed	<i>Cornus racemosa</i>	Landscape	Moist to Wet	Part Shade to Full Sun	Deciduous	15	Slow	30-	Inconspicuous	White Berry	Brown	Moderate	Birds	9
10 Dogwood, Red-Osier	<i>Cornus stolonifera</i>	Landscape - Screen	Moist to Wet	Part Shade to Full Sun	Deciduous	15	Medium	30-	Inconspicuous	White Berry	Brown	Moderate	Birds	10
11 Fringe - Tree	<i>Chionanthus virginica</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	15	Fast	30-	White Cluster	Black Berry	Bright Yellow	Moderate	--	11
12 Gallberry	<i>Ilex coriacea</i>	Landscape	Moist to Wet	Part Shade to Full Sun	Evergreen	12	Slow	30-	Inconspicuous	Black Berry	Green	Dense	Birds	12
13 Hazelnut, American	<i>Corylus americana</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	6	Medium	30-	Inconspicuous	Nut	Brown	Dense	Squirrels	13
14 Hazelnut, Beaked	<i>Corylus cornuta</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	6	Medium	30-	Inconspicuous	Nut	Brown	Dense	Squirrels	14
15 Hercules' Club	<i>Aralia spinosa</i>	Landscape	Dry to Moist	Full Sun	Deciduous	25	Fast	30-	White Cluster	Black Berry	Pale Yellow	Light	Birds	15
16 Hydrangea, Wild	<i>Hydrangea arborescens</i>	Landscape	Dry to Moist	Part Shade to Full Sun	Deciduous	8	Fast	30-	White Cluster	Brown Pod	Brown	Dense	--	16
17 Laurel, Mountain	<i>Kalmia latifolia</i>	Landscape	Dry to Moist	Shade to Partial Shade	Evergreen	9	Slow	70+	White Cluster	Capsule	Green	Dense	--	17
18 Leucothoe	<i>Leucothoe racemosa</i>	Landscape	Moist	Shade to Partial Shade	Evergreen	6	Medium	30-	White Cluster	Capsule	Green	Dense	--	18
19 Maple, Striped	<i>Acer Pennsylvanicum</i>	Landscape	Moist	Shade to Full Sun	Deciduous	20	Medium	30-70	Inconspicuous	Samara	Brown	Moderate	--	19
20 Myrtle, Wax	<i>Myrica cerifera</i>	Landscape - Screen	Dry to Wet	Part Shade to Full Sun	Evergreen	20	Fast	30-	Inconspicuous	Nutlet	Green	Dense	Birds	20
21 Oak, Scrub	<i>Quercus ilicifolia</i>	Landscape	Dry to Moist	Part Shade to Full Sun	Deciduous	10	Slow	30-70	Inconspicuous	Acorn	Brown	Dense	Squirrels	21
22 Pepperbush, Mountain Sweet	<i>Clethra acuminata</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	10	Fast	30-	White Cluster	Capsule	Pale Yellow	Moderate	--	22
23 Pepperbush, Sweet	<i>Clethra alnifolia</i>	Landscape	Moist	Part shade to Full Sun	Deciduous	9	Medium	30-	White Cluster	Capsule	Pale Yellow	Moderate	--	23
24 Rhododendron, Rosebay	<i>Rhododendron catawbiense</i>	Landscape	Moist	Shade to Part Shade	Evergreen	10	Slow	70+	Rose Cluster	Capsule	Green	Dense	--	24
25 Rhododendron, White	<i>Rhododendron maximum</i>	Landscape	Moist	Shade to Part Shade	Evergreen	10	Slow	70+	White Cluster	Capsule	Green	Dense	--	25
26 Sumac, Dwarf	<i>Rhus copallina</i>	Landscape	Dry to Moist	Full Sun	Deciduous	10	Fast	30-	Inconspicuous	Red Cluster	Bright Red	Moderate	Birds	26
27 Sumac, Fragrant	<i>Rhus aromatica</i>	Landscape	Dry to Moist	Full Sun	Deciduous	15	Fast	30-	Inconspicuous	Red Cluster	Bright Red	Moderate	Birds	27
28 Sumac, Smooth	<i>Rhus glabra</i>	Landscape	Dry to Moist	Full Sun	Deciduous	15	Fast	30-	Inconspicuous	Red Cluster	Bright Red	Moderate	Birds	28
29 Sumac, Staghorn	<i>Rhus typhina</i>	Landscape	Dry to Moist	Full Sun	Deciduous	15	Fast	30-	Inconspicuous	Red Cluster	Bright Red	Moderate	Birds	29
30 Spicebush	<i>Lindera benzoin</i>	Landscape - Screen	Moist to Wet	Part Shade to Full Sun	Deciduous	15	Fast	30-	Fragrant Yellow	Red Berry	Bright Yellow	Dense	Birds	30
31 Sweet Fern	<i>Comptonia perigrina</i>	Landscape	Dry	Full Sun	Deciduous	3	Slow	30-	Inconspicuous	Nutlet	--	Dense	--	31
32 Sweet Shrub	<i>Calycanthas floridus</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	6	Fast	30-	Fragrant Brown	Brown Pod	Bright Yellow	Dense	--	32
33 Tea, New Jersey	<i>Ceanothus americanus</i>	Landscape	Dry to Moist	Full Sun	Deciduous	3	Medium	30-	White Cluster	Capsule	Brown	Dense	--	33
34 Viburnum, Arrowwood	<i>Viburnum dentatum</i>	Landscape - Screen	Moist	Part Shade to Full Sun	Deciduous	4	Fast	30-	White Cluster	Black Berry	Bright Yellow	Dense	Birds	34
35 Viburnum, Black Haw	<i>Viburnum prunifolium</i>	Landscape	Moist to Wet	Part Shade to Full Sun	Deciduous	15	Medium	30-	White Cluster	Black Berry	Brown	Moderate	Birds	35
36 Viburnum, Maple-leaved	<i>Viburnum acerifolium</i>	Landscape	Moist	Part Shade to Full Sun	Deciduous	6	Fast	30-	White Cluster	Black Berry	Bright Yellow	Dense	Birds	36
37 Witch Hazel	<i>Hamamelis virginiana</i>	Landscape - Screen	Dry to Moist	Part Shade to Full Sun	Deciduous	15	Medium	30-	Yellow	Brown Pod	Brown	Moderate	--	37
38 Yew, Ground	<i>Taxus canadensis</i>	Landscape	Moist	Shade to Full Sun	Evergreen	6	Slow	30-70	Inconspicuous	Red Berry	Green	Dense	Birds	38





# REQUIREMENTS AND CHARACTERISTICS OF TREES NATIVE TO VIRGINIA

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
COMMON NAME OF TREE	SCIENTIFIC NAME	PLANT ADAPTATION	SOIL MOISTURE REQUIREMENTS	LIGHT REQUIREMENT	DECIDUOUS OR EVERGREEN	NATURE OF HEIGHT IN FEET	RATE OF GROWTH	LIFE SPAN IN YEARS	FLORAL CHARACTERISTICS	TYPE OF FRUIT	FALL FOLIAGE COLOR	SHADE PROVIDED	WILDLIFE BENEFITED	
1 Ash, Green	Fraxinus pennsylvanica	Shade	Moist to Wet	Full Sun	Deciduous	70	Fast	70+	Inconspicuous	Samara	Pale Yellow	Moderate	Birds	1
2 Ash, Mountain	Sorbus americana	Landscape	Moist	Part Shade to Full Sun	Deciduous	35	Fast	30-70	Small White	Red Cluster	Brown	Moderate	Birds	2
3 Ash, White	Fraxinus americana	Shade	Moist to Wet	Full Sun	Deciduous	70	Fast	70+	Inconspicuous	Samara	Pale Yellow	Moderate	Birds	3
4 Aspen, Big-toothed	Populus grandidentata	Shade	Dry to Moist	Full Sun	Deciduous	60	Fast	30-70	Inconspicuous	Capsule	Pale Yellow	Light	--	4
5 Basswood	Tilia sp.	Shade	Moist	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Nutlet	Pale Yellow	Moderate	Squirrels	5
6 Bay, Swamp	Persea borbonia	Landscape - Shade	Moist to Wet	Part Shade to Full Sun	Evergreen	45	Medium	30-70	Inconspicuous	Blue	Brown	Moderate	--	6
7 Bay, Sweet	Magnolia virginiana	Landscape - Shade	Moist to Wet	Part Shade to Full Sun	Deciduous	60	Medium	70+	Cream	Drupe	Brown	Moderate	Birds - Squirrels	7
8 Beech, American	Fagus grandifolia	Landscape - Shade	Dry to Moist	Shade to Full Sun	Deciduous	70	Slow	70+	Inconspicuous	Nutlet	Bright Yellow	Dense	Squirrels	8
9 Birch, Black	Betula lenta	Shade	Moist	Part Shade to Full Sun	Deciduous	50	Medium	30-70	Inconspicuous	Nutlet	Brown	Moderate	Birds - Squirrels	9
10 Birch, Red River	Betula nigra	Landscape	Moist	Part Shade to Full Sun	Deciduous	70	Medium	30-70	Inconspicuous	Nutlet	Brown	Moderate	Birds - Squirrels	10
11 Butternut	Juglans cinerea	Landscape	Moist	Full Sun	Deciduous	40	Medium	30-70	Inconspicuous	Nut	Brown	Moderate	Squirrels	11
12 Catalpa	Catalpa bignonioides	Screen - Shade	Moist	Full Sun	Deciduous	45	Fast	30-70	White	Green Pod	Brown	Moderate	--	12
13 Cedar, Eastern Red	Juniperus virginiana	Landscape - Screen	Dry to Moist	Full Sun	Evergreen	45	Slow	70+	Inconspicuous	Blue Berry	Green	Moderate	Birds	13
14 Cedar, Northern White	Thuja occidentalis	Landscape - Screen	Moist to Wet	Full Sun	Evergreen	40	Slow	30-70	Inconspicuous	Cone	Green	Moderate	Birds - Squirrels	14
15 Cedar, Southern White	Chamaecyparis thyoides	Landscape	Moist to Wet	Full Sun	Evergreen	40	Slow	30-70	Inconspicuous	Cone	Green	Moderate	--	15
16 Cherry, Wild	Prunus serotina	Landscape - Shade	Moist	Full Sun	Deciduous	40	Medium	30-70	Small White	Black	Brown	Moderate	Birds - Squirrels	16
17 Chinaberry	Melia azedarach	Landscape - Shade	Dry to Moist	Full Sun	Deciduous	30	Fast	30-70	Inconspicuous	Yellow	Pale Yellow	Moderate	Birds	17
18 Cottonwood, Eastern	Populus deltoides	Shade	Moist to Wet	Full Sun	Deciduous	60	Fast	30-70	Inconspicuous	Capsule	Pale Yellow	Light	--	18
19 Cottonwood, Swamp	Populus heterophylla	Shade	Moist to Wet	Full Sun	Deciduous	60	Fast	30-70	Inconspicuous	Capsule	Pale Yellow	Light	--	19
20 Cucumber Tree	Magnolia acuminata	Landscape - Shade	Moist	Full Sun	Deciduous	70	Fast	70+	Inconspicuous	Red Cluster	Brown	Moderate	Birds	20
21 Cypress, Bald	Taxodium distichum	Landscape	Moist to Wet	Part Shade to Full Sun	Deciduous	60	Medium	70+	Inconspicuous	Cone	Brown	Moderate	--	21
22 Dogwood, Flowering	Cornus florida	Landscape - Street	Moist	Shade to Full Sun	Deciduous	30	Slow	30-70	White	Red Berry	Red to Purple	Moderate	Birds - Squirrels	22
23 Elm, American	Ulmus americana	Shade - Street	Moist	Part Shade to Full Sun	Deciduous	90	Medium	70+	Inconspicuous	Samara	Pale Yellow	Moderate	Birds - Squirrels	23
24 Elm, Rock	Ulmus thomasii	Landscape - Shade	Moist	Part Shade to Full Sun	Deciduous	60	Medium	70+	Inconspicuous	Samara	Pale Yellow	Moderate	--	24
25 Elm, Slippery	Ulmus rubra	Landscape - Shade	Moist	Part Shade to Full Sun	Deciduous	60	Medium	70+	Inconspicuous	Samara	Pale Yellow	Moderate	Birds	25
26 Elm, Winged	Ulmus alata	Landscape - Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	40	Medium	70+	Inconspicuous	Samara	Pale Yellow	Moderate	--	26
27 Empress Tree	Faulonia tomentosa	Landscape - Shade	Dry to Moist	Full Sun	Deciduous	45	Fast	30-70	Violet	Capsule Cluster	Brown	Moderate	--	27
28 Gum, Black	Nyssa sylvatica	Shade	Dry to Wet	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Black	Bright Red	Moderate	Birds - Squirrels	28
29 Gum, Sweet	Liquidambar styraciflua	Shade	Moist to Wet	Part Shade to Full Sun	Deciduous	70	Fast	70+	Inconspicuous	Seed Ball	Red to Yellow	Moderate	--	29
30 Hackberry	Celtis occidentalis	Shade	Dry to Wet	Part Shade to Full Sun	Deciduous	60	Medium	70+	Inconspicuous	Drupe	Brown	Moderate	Birds	30
31 Hemlock, Carolina	Tsuga caroliniana	Landscape - Screen - Shade	Moist	Shade to Full Sun	Evergreen	50	Medium	70+	Inconspicuous	Cone	Green	Moderate	Birds - Squirrels	31
32 Hemlock, Eastern	Tsuga canadensis	Landscape - Screen - Shade	Moist	Shade to Full Sun	Evergreen	60	Medium	70+	Inconspicuous	Cone	Green	Moderate	Birds - Squirrels	32
33 Hickory, Bitternut	Carya cordiformis	Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Nut	Bright Yellow	Moderate	Squirrels	33
34 Hickory, Mockernut	Carya tomentosa	Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Nut	Bright Yellow	Moderate	Squirrels	34
35 Hickory, Pignut	Carya glabra	Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Nut	Bright Yellow	Moderate	Squirrels	35
36 Holly, American	Ilex opaca	Landscape - Screen	Moist	Shade to Full Sun	Evergreen	40	Slow	70+	Small White	Red Berry	Green	Dense	Birds	36
37 Hornbeam, Hop	Ostrya virginiana	Landscape	Dry to Moist	Part Shade to Full Sun	Deciduous	65	Slow	30-70	Inconspicuous	Nutlet	Brown	Light	Squirrels	37
38 Ironwood	Carpinus caroliniana	Landscape	Dry to Moist	Part Shade to Full Sun	Deciduous	30	Slow	30-70	Inconspicuous	Nutlet	Brown	Light	--	38
39 Larch	Larix laricina	Landscape	Moist	Full Sun	Deciduous	60	Fast	70+	Inconspicuous	Cone	Brown	Moderate	Birds - Squirrels	39
40 Locust, Black	Robinia pseudoacacia	Landscape - Shade	Dry to Moist	Full Sun	Deciduous	50	Fast	70+	White	Brown Pod	Pale Yellow	Moderate	Birds	40
41 Locust, Honey	Gleditsia triacanthos	Landscape	Dry to Moist	Full Sun	Deciduous	50	Fast	70+	Inconspicuous	Brown Pod	Pale Yellow	Moderate	--	41
42 Magnolia, Evergreen	Magnolia grandiflora	Landscape - Screen - Shade	Dry to Moist	Part Shade to Full Sun	Evergreen	60	Medium	70+	White	Red Berry	Green	Dense	Birds - Squirrels	42
43 Magnolia, Fraser	Magnolia fraseri	Landscape	Moist	Part Shade to Full Sun	Deciduous	35	Fast	30-70	Fragrant Yellow	Red Cluster	Brown	Moderate	Birds	43
44 Magnolia, Umbrella	Magnolia tripetala	Landscape	Moist	Part Shade to Full Sun	Deciduous	40	Fast	30-70	White	Red Cluster	Brown	Moderate	Birds	44
45 Maple, Box Elder	Acer negundo	Shade	Moist to Wet	Part Shade to Full Sun	Deciduous	40	Fast	30-70	Inconspicuous	Samara	Pale Yellow	Moderate	--	45
46 Maple, Red	Acer rubrum	Shade - Street	Moist to Wet	Part Shade to Full Sun	Deciduous	60	Medium	30-70	Small Red	Samara	Yellow to Red	Moderate	--	46
47 Maple, Silver	Acer saccharinum	Shade - Street	Moist to Wet	Part Shade to Full Sun	Deciduous	60	Fast	30-70	Small Green White	Samara	Pale Yellow	Moderate	--	47
48 Maple, Sugar	Acer saccharum	Shade - Street	Moist	Shade to Full Sun	Deciduous	60	Slow	70+	Inconspicuous	Samara	Yellow to Red	Moderate	Birds - Squirrels	48
49 Mimosa	Albizia julibrissin	Landscape - Shade	Dry to Moist	Full Sun	Deciduous	25	Fast	30+	Small Pink	Brown Pod	Brown	Moderate	--	49
50 Mulberry, Paper	Broussonetia papyrifera	Landscape	Moist	Full Sun	Deciduous	55	Medium	30-70	Inconspicuous	Red	Brown	Moderate	Birds	50
51 Mulberry, Red	Morus rubra	Landscape	Moist	Part Shade to Full Sun	Deciduous	55	Medium	30-70	Inconspicuous	Black	Brown	Moderate	Birds	51
52 Oak, Black	Quercus velutina	Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Acorn	Brown	Moderate	Squirrels	52
53 Oak, Chestnut	Quercus montana	Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	60	Medium	70+	Inconspicuous	Acorn	Brown	Moderate	Squirrels	53
54 Oak, Live	Quercus virginiana	Landscape	Dry to Moist	Part Shade to Full Sun	Evergreen	60	Slow	70+	Inconspicuous	Acorn	Brown	Moderate	Squirrels	54
55 Oak, Northern Red	Quercus rubra	Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Acorn	Deep Red	Moderate	Squirrels	55
56 Oak, Pin	Quercus palustris	Landscape - Shade - Street	Dry to Wet	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Acorn	Brown	Moderate	Squirrels	56
57 Oak, Post	Quercus stellata	Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	50	Medium	70+	Inconspicuous	Acorn	Brown	Moderate	Squirrels	57
58 Oak, Scarlet	Quercus coccinea	Landscape - Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Acorn	Bright Red	Moderate	Squirrels	58
59 Oak, Southern Red	Quercus falcata	Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Acorn	Brown	Moderate	Squirrels	59
60 Oak, Swamp White	Quercus bicolor	Landscape - Shade	Wet	Part Shade to Full Sun	Deciduous	60	Medium	70+	Inconspicuous	Acorn	Brown	Moderate	Squirrels	60
61 Oak, Water	Quercus nigra	Shade	Dry to Wet	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Acorn	Brown	Moderate	Squirrels	61
62 Oak, White	Quercus alba	Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Acorn	Deep Red	Moderate	Squirrels	62
63 Oak, Willow	Quercus phellos	Shade - Street	Dry to Wet	Part Shade to Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Acorn	Brown	Moderate	Squirrels	63
64 Osage Orange	Maclura pomifera	Landscape - Screen	Moist	Part Shade to Full Sun	Deciduous	30	Medium	70+	Inconspicuous	Green	Brown	Dense	Squirrels	64
65 Pawpaw	Asimina triloba	Landscape	Moist	Part Shade to Full Sun	Deciduous	45	Medium	30-70	Green to Brown	Green	Bright Yellow	Dense	--	65
66 Persimmon	Diospyros virginiana	Landscape	Moist	Part Shade to Full Sun	Deciduous	40	Slow	30-70	Inconspicuous	Orange	Pale Red	Moderate	Birds	66
67 Pine, Loblolly	Pinus taeda	Screen - Shade	Dry to Wet	Full Sun	Evergreen	70	Medium	70+	Inconspicuous	Cone	Green	Moderate	Squirrels	67
68 Pine, Pitch	Pinus rigida	Landscape - Shade	Dry to Moist	Full Sun	Evergreen	55	Medium	70+	Inconspicuous	Cone	Green	Moderate	Squirrels	68
69 Pine, Pond	Pinus serotina	Shade	Moist to Wet	Full Sun	Evergreen	45	Medium	70+	Inconspicuous	Cone	Green	Moderate	Squirrels	69
70 Pine, Shortleaf	Pinus echinata	Screen - Shade	Dry to Moist	Full Sun	Evergreen	70	Medium	70+	Inconspicuous	Cone	Green	Moderate	Squirrels	70
71 Pine, Table Mountain	Pinus pungens	Landscape	Dry to Moist	Full Sun	Evergreen	35	Slow	70+	Inconspicuous	Cone	Green	Moderate	Squirrels	71
72 Pine, Virginia	Pinus virginiana	Screen - Shade	Dry to Wet	Full Sun	Evergreen	60	Medium	70+	Inconspicuous	Cone	Green	Moderate	Squirrels	72
73 Pine, White	Pinus strobus	Landscape - Screen - Shade	Moist	Part Shade to Full Sun	Evergreen	70	Fast	70+	Inconspicuous	Cone	Green	Moderate	Squirrels	73
74 Poplar, White	Populus alba	Screen - Shade	Dry to Moist	Full Sun	Deciduous	35	Fast	30+	Inconspicuous	Capsule	Brown	Light	--	74
75 Poplar, Yellow	Liriodendron tulipifera	Shade	Moist	Full Sun	Deciduous	70	Fast	70+	Yellow to Orange	Cone Cluster	Bright Yellow	Moderate	Squirrels	75
76 Redbud	Cercis canadensis	Landscape	Moist	Full Sun	Deciduous	30	Fast	30-70	Purple	Brown Pod	Pale Yellow	Moderate	--	76
77 Sassafras	Sassafras albidum	Landscape - Shade	Dry to Moist	Part Shade to Full Sun	Deciduous	40	Slow	30-70	Yellow	Blue	Red or Yellow	Moderate	Birds	77
78 Serviceberry	Amelanchier canadensis	Landscape	Moist	Part Shade to Full Sun	Deciduous	20	Medium	30+	White	Blue	Brown	Light	Birds	78
79 Silver Bell	Halesia carolina	Landscape	Moist	Part Shade to Full Sun	Deciduous	30	Medium	30-70	White	Brown Pod	Brown	Moderate	--	79
80 Sourwood	Oxydendrum arboreum	Landscape - Screen - Shade	Moist	Part Shade to Full Sun	Deciduous	35	Medium	30-70	White	Capsule	Bright Red	Moderate	--	80
81 Spruce, Black	Picea mariana	Landscape - Screen	Moist	Part Shade to Full Sun	Evergreen	60	Slow	70+	Inconspicuous	Cone	Green	Moderate	--	81
82 Sycamore	Platanus occidentalis	Shade	Moist to Wet	Full Sun	Deciduous	80	Fast	70+	Inconspicuous	Seed Ball	Brown	Moderate	--	82
83 Tree of Heaven	Ailanthus altissima	Shade	Dry to Moist	Full Sun	Deciduous	40	Fast	30-70	Inconspicuous	Samara	Brown	Moderate	Birds	83
84 Walnut, Black	Juglans nigra	Shade	Moist	Full Sun	Deciduous	70	Medium	70+	Inconspicuous	Nut	Brown	Moderate	Squirrels	84
85 Willow, Black	Salix nigra	Landscape	Moist to Wet	Full Sun	Deciduous	65	Fast	30-70	Inconspicuous	Capsule	Brown	Moderate	--	85
86 Willow, Weeping	Salix babylonica	Landscape	Moist	Full Sun	Deciduous	40	Fast	30-70	Inconspicuous	Capsule	Brown	Dense	--	86

## SPECIAL INFORMATION

In urban areas, natural soil conditions are often destroyed during construction and landscaping. This is caused by cut and fill operations. These conditions may adversely affect the survival and growth of woody plants. Should this be the case, assistance is available for on-site investigations by specialists.

Seek the advice of a specialist before planting trees or shrubs on sites not adapted to that particular plant. At times, soil conditions may be changed if a particular plant is desired.

Spacings for planting vary according to growth habits of shrubs and trees, sites, amount of shade, desired results, etc.

In tree selection, consideration should be given to the fact that temperatures under broad leaf trees tend to be cooler than under pine trees during summer. During the winter season, temperatures will be higher under trees that lose their leaves.

Get information before planting trees or shrubs where they will be subject to high concentrations of air pollution such as "exhaust fumes" or industrial "fallout".

Trees are one of the major natural air purifiers. They absorb carbon dioxide in the air and emit oxygen.

There are approximately ten different azaleas native to various localities of Virginia. With proper selection and care, within any specific locality, these can be used for landscaping.

## ASSISTANCE AVAILABLE

Public: Local Arborist  
Cooperative Extension Service  
Soil Conservation Service  
Virginia Division of Forestry

Private: Landscape Architects and Contractors  
Local Nurserymen  
Tree Services